

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A computer-based method for restricting access to network accessible digital information by network users of at least one subscriber network, said method comprising the steps of:

- (a) monitoring at ~~each~~ a subscriber network ~~all~~ requests by the network users for digital information;
- (b) determining whether a location indicator associated with ~~each~~ a request is included in a database of restricted location indicators maintained at ~~each~~ the subscriber network and denying the request where the location indicator is in the database;
- (c) retrieving ~~the~~ at the subscriber network digital information stored at a location corresponding to the location indicator and initially analysing ~~the~~ content of ~~the~~ information at said location for a predetermined maximum time in the event that the location indicator is not in the database and denying or fulfilling the request based on the initial analysis;
- (d) periodically forwarding ~~the~~ location indicators associated with requests and not in the database from the subscriber ~~networks~~ network to a remote network node;
- (e) retrieving at the remote network node ~~the~~ digital information stored at a location corresponding to the forwarded location indicator ~~indicators at the remote network node~~ and further analysing a ~~the~~ content type of the retrieved information; and
- (f) periodically dispatching to the subscriber networks from the remote node ~~forwarding the~~ location indicators found by said further analysis to have restricted type content ~~from the remote network node to the subscriber networks~~ stored therein, for inclusion in the database of restricted location indicators maintained at the subscriber network.

Claim 2 (Original): The method of claim 1 wherein the digital information includes content accessible via the Internet.

Claim 3 (Previously Presented): The method of claim 1 wherein the subscriber networks are local area networks wherein client computers communicate via the Ethernet access protocol.

Claim 4 (Original): The method of claim 3 wherein the searching of the database and the initial content analysis occur at an Ethernet bridge installed at the subscriber network.

Claim 5 (Previously Presented): The method of claim 1 wherein the location indicator is a Uniform Resource Locator.

Claim 6 (Original): The method of claim 4 wherein the location indicator is extracted from an Ethernet frame originating from a client computer of a network user.

Claim 7 (Original): The method of claim 1 wherein the database is stored in encrypted form and is searched for an encrypted location indicator.

Claim 8 (Previously Presented): The method of claim 1 including the step of determining whether the location indicator is in an exception list before determining whether it is in the database and fulfilling the request in the event that the location indicator is in the exception list.

Claim 9 (Original): The method of claim 1 wherein the request is fulfilled in the event that the location indicator is in the database but is a permitted category of restricted content.

Claim 10 (Currently Amended): The method of claim 1 wherein the location indicators are forwarded from the subscriber ~~networks~~network to the remote network node on at least an hourly basis and the location indicators are forwarded from the remote network node to the subscriber network ~~networks~~ on at least an hourly basis.

Claim 11 (Currently Amended): A system for restricting access to network accessible digital information by network users of at least one subscriber network, said system comprising:

- (a) a database of restricted location indicators stored at ~~each~~a subscriber network;
- (b) monitoring means at ~~each~~the subscriber network for monitoring ~~all~~ requests by the network users of the subscriber network for digital information;
- (c) said monitoring means also determining whether a location indicator associated with each request is in the database;
- (d) analysis means at ~~each~~the subscriber network for initially analysing ~~the~~ content of ~~the~~ information stored at ~~each~~a location corresponding to a location indicator not in the database and for denying or fulfilling the request based on the initial analysis;
- (e) forwarding means at ~~each~~the subscriber network for periodically forwarding ~~the~~ location indicators associated with requests and not in the database to a remote network node;
- (f) retrieval and analysis means ~~at the remote network node~~ for retrieving by the remote network node ~~the~~ digital information stored at a location corresponding to the location

indicator each of the location indicators forwarded by the subscriber ~~networks~~ network and
for further analysing a the content type of the retrieved information; and

(g) dispatching ~~despatching~~ means at the remote network node for periodically
dispatching ~~despatching from the remote node~~ the location indicators found by said further
analysis to have restricted type content stored therein ~~by the analysis means to the subscriber~~
~~networks~~ for inclusion in each the database of restricted location indicators maintained at the
subscriber network.

Claim 12 (Original): The system of claim 11 wherein the digital information
includes content accessible via the Internet.

Claim 13 (Original): The system of claim 11 wherein the subscriber networks are
local area networks communicating via the Ethernet protocol.

Claim 14 (Original): The system of claim 13 wherein the monitoring means are
installed at an Ethernet bridge installed at the subscriber network.

Claim 15 (Original): The system of claim 11 wherein the location indicator is a
Uniform Resource Locator.

Claim 16 (Original): The system of claim 14 wherein the location indicator is
extracted from an Ethernet Frame originating from a client computer of a network user.

Claim 17 (Original): The system of claim 11 wherein the database is stored in
encrypted form and is searched by the monitoring means for an encrypted location indicator.

Claim 18 (Original): The system of claim 11 wherein the monitoring means determine whether the location indicator is in the exception list before determining whether it is in the database and fulfils the request in the event that the location indicator is in the exception list.

Claim 19 (Original): The system of claim 11 wherein the system fulfils requests in the event that the location indicator associated with the request is in the database, but is a permitted category of restricted content.

Claim 20 (Currently Amended): The system of claim 11 wherein the forwarding means and the ~~despatching~~ dispatching means deliver location indicators on an hourly basis.

Claim 21 (Currently Amended): A computer software program, stored in a computer readable medium, product and comprising instructions configured to cause a computer to execute a method for restricting access to network accessible digital information by the network users of a subscriber network, said ~~product~~ method comprising:

- (a) ~~computer readable program code means for monitoring all requests by the~~ network users for digital information;
- (b) ~~computer readable program code means for determining whether a location~~ indicator associated with ~~each a~~ request is included in a database of restricted location indicators stored at the subscriber network;
- (c) ~~computer readable program code means for analysing the a content type of the~~ information stored at ~~each a location corresponding to a~~ location indicator not in the database for a predetermined time, and for denying or fulfilling the request based on the analysis;

(d) ~~computer readable program code means for periodically forwarding the~~
location indicators associated with requests and not in the database to a remote network node;

(e) allowing the remote network node to retrieve the digital information stored at a
location corresponding to the forwarded location indicator for further analysis of a content
type of the retrieved information; and

(e)(f) computer readable program code means for periodically receiving from the
remote network node location indicators found by said further analysis to have restricted type
content stored therein, from the remote network node and including said received location
indicators in the database.

Claim 22 (Currently Amended): The ~~computer software product~~method of claim 21
wherein the digital information is content accessible via the Internet.

Claim 23 (Currently Amended): The ~~computer software product~~method of claim 22
wherein the subscriber network is a local area network wherein client computers
communicate via the Ethernet protocol.

Claim 24 (Currently Amended): The ~~computer software package product~~method of
claim 22 wherein the location indicator is a Uniform Resource Locator.

Claim 25 (Currently Amended): The ~~computer software product~~method of claim 23
wherein the location indicator is extracted from an Ethernet frame originating from a client
computer of a network user.

Claim 26 (Currently Amended): The ~~computer software product~~method of claim 21 further comprising ~~computer readable code means for~~ encrypting the location indicator before including in the database or determining whether the encrypted location indicator is in the database.

Claim 27 (Currently Amended): The ~~computer software product~~method of claim 21 further comprising ~~computer readable code means for~~ determining whether the location indicator is in an exception list before determining whether it is in the database and for fulfilling the request in the event that the location indicator is in the exception list.

Claim 28 (Currently Amended): The ~~computer software product~~method of claim 21 further comprising ~~computer readable program code means for~~ fulfilling a request in the event that the location indicator is in the database but is a permitted category of restricted content.

Claim 29 (Currently Amended): The ~~computer software product~~method of claim 21 wherein the location indicators are forward to, and received from, the remote node on at least an hourly basis.